

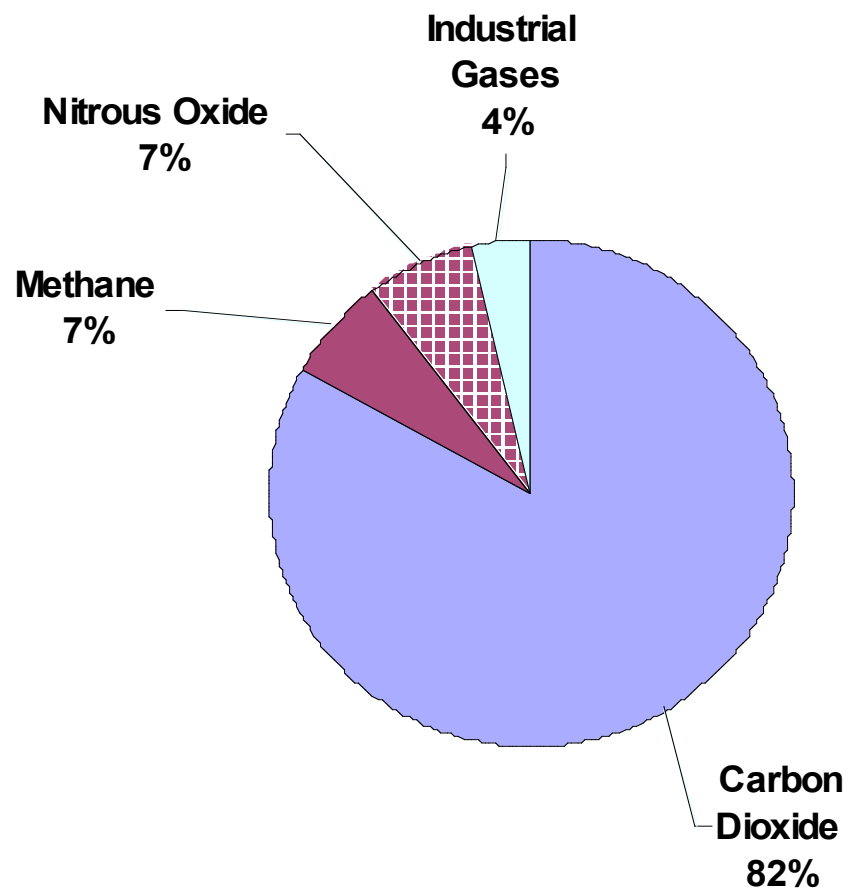
State Policy Issues CPUC En Banc on Climate Change

February 23, 2005

***James D. Boyd, Commissioner
California Energy Commission***

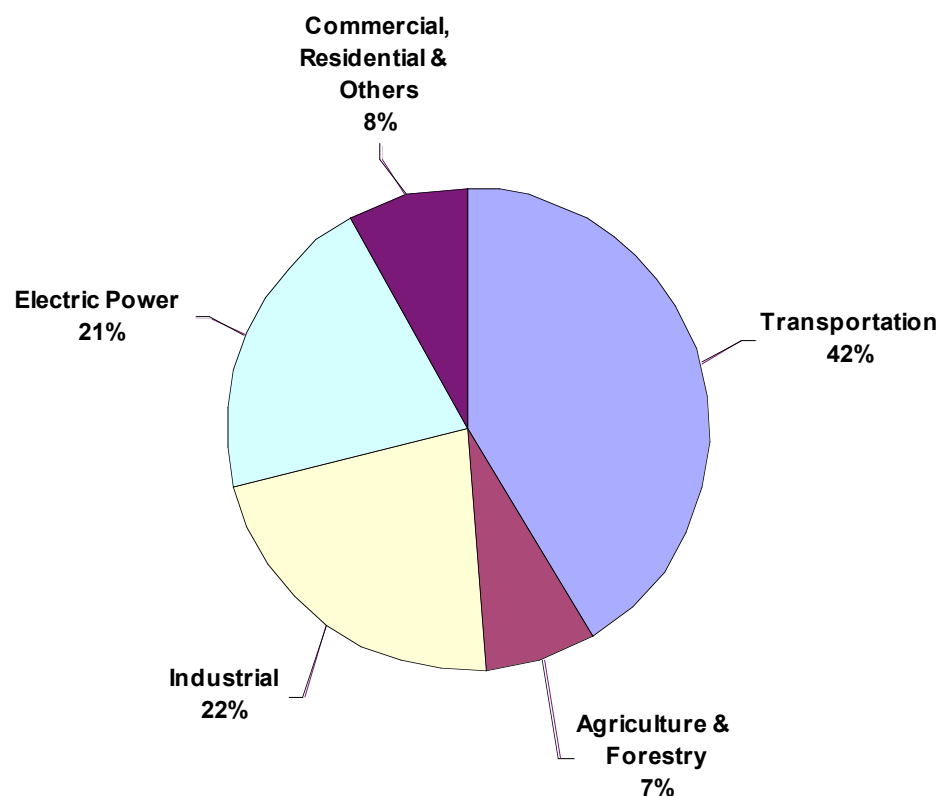


California's 2001 Greenhouse Gas Emissions



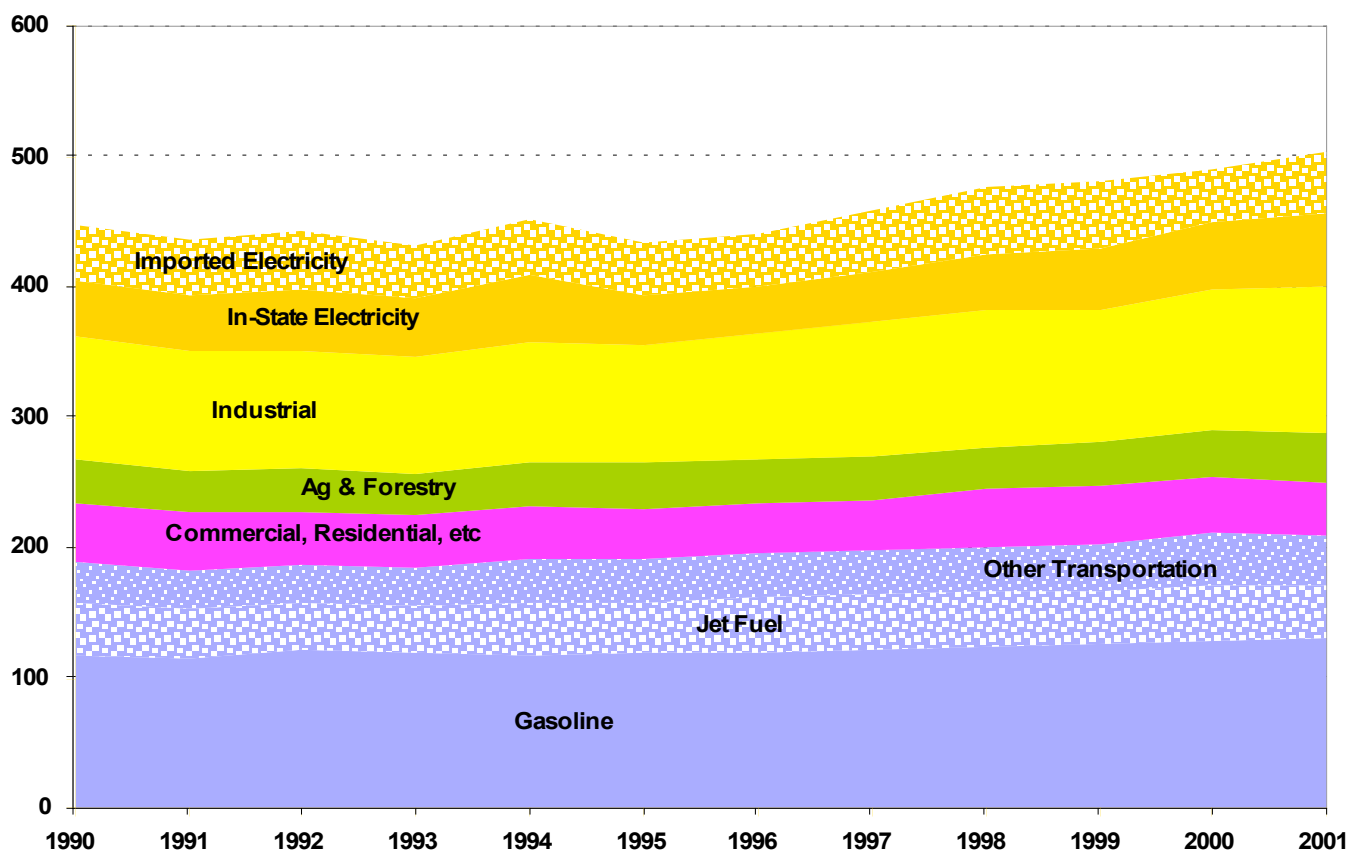
California's 2001 Greenhouse Gas Emissions

(Imported electricity is included.)



California GHG Emissions Growth

(Million Metric Tons CO₂ E)



Greenhouse Gas Emission Trends

- CA's CO₂ emissions are 7.5 percent of U. S. and 1.8 of global human-caused GHG emissions.
- CA has low carbon intensity per capita, relative to other states.
- CA's GHG emissions are large and growing, due to population and economic growth.
- Based on the latest CEC data, GHG emissions grew 13 percent from 1990 to 2001 and will grow 32 percent from 1990 to 2020.
- Imported power has had a greater carbon intensity than in-state electricity since 1990.



Key Questions:

CEC Climate Change Advisory Committee

- What strategies should the State of California pursue beyond existing policies and programs?
- What criteria should be used to select these strategies?
- What business opportunities exist for California corporate leaders?
- What options warrant further evaluation?



Feedback To Date: CEC Advisory Committee

- **Strategies to reduce greenhouses should be practical and cost-effective.**
- **Largest emitting sectors are transportation, industrial (e.g. petroleum refining, semiconductor, cement) and power generation.**
- **Any “cap-and-trade” system should be comprehensive and economy-wide.**
- **State level GHG accounting should promote consistency at the national and international levels.**
- **Policy input is requested for the 2005 Integrated Energy Policy Report.**



CEC Climate Research Program: Critical Policy Questions

- What are plausible climate change scenarios for California?
- How would climate change (the physical impacts) affect CA's environment and economy?
- What are the merits of different mitigation and adaptation strategies?
- How would climate change affect energy supply and demand?
- How would climate change policies affect the state's economy?



Joint Agency Climate Team

- Interagency task force on climate change established in 2000.
- Prepared eleven categories of recommended state actions to reduce GHG emissions and to adapt to changing climate.
- Called for new legislation, budget proposals and Governor's direction.



Recommendations

- Join with the CPUC and Cal EPA to form a Climate Change Action Plan (modeled after the Energy Action Plan).
- Demonstrate state government leadership on climate change in fleets, operations and procurement.

